

Умные системы для профилактики эпидемий серии AI

Технические характеристики

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AI-2020/2020M/2020H

Intelligent anti-epidemic infrared temperature measurement security door



The human body temperature detection system based on the algorithm-integrated visible light + infrared light dual-sensing. The equipment has the functions of thermal imaging non-contact temperature measurement, face recognition, over-temperature automatic alarm, face capture, data statistics and other functions. The system combines portraits for refined analysis services, has the characteristics of long distance, non-contact, multi-target, etc., and establishes the first line of defense for anti-epidemic.

Accuracy: $\pm 0.5^{\circ}\text{C}/\pm 1.0^{\circ}\text{F}$

50Hz Image frame rate	Accurate measurement	Face detection snapshot	Flexible configuration	Remote control	Quick check
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Specifications

		2020	2020M	2020H
Infrared	Resolution	80x80	160x120	384x288
	Focal length	9mm	*	*
	Angle of view	17x17°	19x25°	41.5x31°
	I FOV	3.78	2.78	1.89
	Aperture	F1.0	*	*
Visible light	Frame rate	50Hz	*	*
	Material of Lens	germanium	*	*
	Resolution	2 million	*	*
Temperature measurement	Frame rate	50Hz	*	*
	Temperature measurement range	20-50°C	*	*
	Temperature measurement accuracy	$\leq \pm 0.5^{\circ}\text{C}$ (target distance 1.0~1.5m, Target temperature within 32-42°C)	*	*
	Face recognition	Intelligent face recognition	*	*
Software function	Temperature measurement	Face recognition area shows the highest temperature, infrared/ Visible light image temperature cursor overlay	*	*
	High temperature alarm value setting	The default is 37.3°C, the alarm automatically takes photos and stores.support image/sound alarm	*	*
	Body temperature correction	Automatic correction of measuring temperature	*	*
Image video	Infrared, visible display at the same screen.			
	HDMI , mobilephone three-screen display			
HDMI	Connect to TV through HDMI with video and alarm voice			
Storage	4G internal memory			
Software	Thirmview pro			
Connect	USB, wifi			
Temperature measurement warning system		Yes		



Model AI-2020

AI-2031

Automatic infrared thermal imaging temperature measurement warning system

CEM

Non-contact and fast mass screening system

AI-2031 combines infrared human temperature measurement algorithm and AI intelligent face recognition and other advanced technologies. It has accurate temperature measurement and simple and convenient operation. It is suitable for monitoring large areas of people in public places, quickly find and track people who have overheated temperature, and help in troubleshooting Human fever symptoms.



Specifications

Infrared	Resolution	384x288
	Accuracy	$\pm 0.3^{\circ}\text{C}$ (Blackbody source correction)
	Focal length	9mm
	Angle of view	41x31°
	IFOV	1.89mrad
	Aperture	F1.0
	Frame rate	50Hz
	Material of Lens	germanium
Visible light	Resolution	2 million
	Frame rate	50Hz
Temperature measurement	Temperature measurement range	20-50°C
	Temperature measurement accuracy	$\pm 0.3^{\circ}\text{C}$ (ambient temperature 16 ~ 32°C)
Software functions	Parameter settings	Warning switch and warning threshold value, number of warning targets, warning photos automatic clearing, shielding fixed high temperature objects
	Face tracking	Intelligent face tracking
	Real-time preview	Real-time preview of visible and thermal image
	Real-time spot temperature detection	Real-time temperature monitoring at any point in the field of view
	Automatic tracking	Support automatic tracking for elevated temperatures
	Automatic warning	Automatic tracking, warning and photo capturing for storage when people with fevers are identified; Warning while the Black Body is blocked.
	Historical records	Support query, classification and deletion of historical warning screenshots
	Video recording	Support
Black body	Network communication protocol	HTTP, RTSP
	Blackbody target surface uniformity	$\leq 0.1^{\circ}\text{C}$
Camera head interface	Temperature stability accuracy	$\leq \pm 0.2^{\circ}\text{C}$ (single point)
	Network interface	Two-way, visible light 1000M, infrared 100M
Temperature measurement warning system		Yes
Input voltage		DC 12V

Accessories: Computer, 3x10:n network cable, network switch, bx-35 blackbody calibration source, 2m floor stand, 43 inch TV.

Application scenarios



Hospital



Supermarket



Industrial park



School



Transportation hub



Bank

AI-321/322/323/326/328

AI Face Recognition Temperature Measuring Integrated Machine



The traditional infrared temperature measurement and AI face recognition are effectively combined. The user can determine and record the user's identity and user's temperature data within 1 second before the device. Once the body temperature exceeds the normal value, it will automatically alarm and prohibit passage.



Model AI-321/322



Quick temperature measurement within 1 second



50000 Mass storage



Living body recognition Quality Assurance



Intelligent AI Face recognition



Multi-purpose



Automatically record



Non-contact temperature measurement



37.3°C high temperature automatic alarm



Speech

Specifications

Model	AI-321	AI-322 AI Thermal Detector	AI-323 AI Thermal Detector	AI-326 AI Thermal Detector	AI-328 AI Thermal Detector
IR Sensor resolution	Single point infrared temperature measurement	32x32 thermal imaging infrared temperature measurement	80x80 thermal imaging infrared temperature measurement	160x120 thermal imaging infrared temperature measurement	384x288 thermal imaging infrared temperature measurement
LCD display size	7" TFT	7" TFT	18.5" TFT		
Temperature measurement module parameters					
Measuring range	16~45℃	16~45℃	16~45℃		
Measurement accuracy	±0.5℃	±0.5℃	±0.5℃		
Measuring distance	20~50cm	20~50cm	20~50cm		
Measuring time	0.5s	6 frames per second	50 frames per second		
Camera parameters					
Resolution Color	Color 200W (1920*1080), infrared 130W (1280*960)		80*80, Uncooled focal plane detector	160*120, Uncooled focal plane detector	384*288, Uncooled focal plane detector
Imaging device	Color AR0230, infrared AR0130				
Lens	2.9mm	2.9mm	9mm	9mm	9mm
Recognition distance	1m-2m				
Smart functions	0.3m-1.2m		1m-5m		
Face recognition capacity	50000		50000		
Offline record	100,000pcs		100,000pcs		
Recognition accuracy	99.83%		99.83%		
Living security	Support binocular near infrared live detection				
Face Detection	1080P@25fps, support face detection tracking, optimization				
Face recognition speed	About 200ms		30ms		
Biopsy speed	About 400ms				
Occlusion adaptation	Supports wearing glasses, wigs, makeup, wearing masks etc. (the recognition accuracy is adjusted as required)				
Interface parameters					
Network interface	1 RJ45 10M/ 100M adaptive Ethernet port				
USB interface	1 USB interface				
Wireless connection	WiFi+BLE4.0				
RS485 interface	1 RS485 interface				
Relay interface	1 relay interface				
Fire alarm door check button	1 fire alarm door check button				
IO reserved	1 11pin terminal				



Model AI-323/326/328

Size(HxWxD): 135mm x 65mm x 270mm **Weight:** 1500g
Accessories: 12V DC adaptor, Carrying case and Gift box.





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